## Claims

- 1. A racket for ball games including a frame (4) having a racket head (6) and a handle portion (10) connected thereto and being formed of a frame profile, wherein the racket head (6) defines a stringing plane and the frame profile comprises four trough-shaped depressions (12) in the area of the racket head (4), said trough-shaped depressions (12) being arranged opposite to one another in pairs and essentially symmetrical with respect to the longitudinal axis of the racket (2).
- 10 2. The racket according to claim 1, wherein a first pair of trough-shaped depressions (12) is provided between two o'clock and four o'clock and a second pair of trough-shaped depressions is provided between eight o'clock and ten o'clock, wherein two of the trough-shaped depressions (12) are formed on a front side of the racket and two of the trough-shaped depressions (12) are formed on an opposite rear side of the racket.
  - 3. The racket according to claim 1 or 2, wherein a first pair of trough-shaped depressions (12) is formed at about three o'clock and a second pair of through-shaped depressions (12) is formed at about nine o'clock, wherein two of the trough-shaped depressions (12) are formed on a front side of the racket and two of the trough-shaped depressions (12) are formed on an opposite rear side of the racket.
  - 4. The racket according to claim 1 or 2, wherein a first pair of trough-shaped depressions (12) is displaced from the three o'clock position by about 2 to 3 cm towards a free end of the racket (2) and a second pair of trough-shaped depressions (12) is displaced from the nine o'clock position by about 2 to 3 cm towards the free end of the racket (2), wherein two of the trough-shaped depressions (12) are formed on a front side of the racket and two of the trough-shaped depressions (12) are formed on an opposite rear side of the racket.
    - 5. The racket according to any one of claims 1 to 4, wherein the opposite trough-shaped depressions (12) each have a depth (T), so that when being viewed in a direction parallel to the stringing plane, there is a reduced frame height (h) ranging approximately between 60% and 95%, preferably between 70% and 90% and more preferably at 80% of a frame height (H) next to the depressions (12).
    - 6. The racket according to any one of claims 1 to 5, wherein a length (L) of each trough-shaped depression (12) along the frame profile ranges between 10 mm and 30

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mm, preferably between 12 mm and 25 mm and more preferably between 15 mm and 23 mm.

- 7. The racket according to any one of claims 1 to 6, wherein, when being viewed in the direction parallel to the stringing plane, each of the trough-shaped depressions is essentially circular and has a circular arc radius within the range between 15 mm and 25 mm, preferably of about 20 mm.
- 8. The racket according to any one of claims 1 to 7, wherein each pair of opposite depressions (12) has an opening (14) extending essentially perpendicular with respect to the stringing plane of the racket (2) through the frame profile.
  - 9. The racket according to claim 8, wherein the opening is circular cylindrical and has a diameter (D) ranging between 2 mm and 8 mm, preferably between 3 mm and 6 mm.

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- 10. The racket according to claim 8 or 9, wherein an essentially tubular insert (16) is provided in the opening (14) in order to close the frame profile towards the interior.
- 20 11. The racket according to any one of claims 1 to 10, wherein in the area of the four trough-shaped depressions (12) the frame profile comprises one or more strengthening layer(s).
- 12. The racket according to claim 11, wherein the strengthening layer comprises a woven fabric made of carbon fiber, glass or aramid and/or a unidirectional prepreg and is arranged at an angle of ± 45° with respect to the longitudinal direction of the frame.
- 13. A process for producing a racket, in particular according to any one of claims 1 to 12, comprising the following steps:
  - (a) forming a frame (4) consisting of a frame profile and comprising a racket head (6) and a handle portion (10) connected thereto; and
  - (b) providing four trough-shaped depressions (12) which are arranged on the racket head (6) opposite to one another in pairs and essentially symmetrical with respect to the longitudinal axis of the racket (2).

- 14. A process according to claim 13, wherein the trough-shaped depressions (12) are formed simultaneously with the frame (4) during the step of molding the frame profile in a molding press.
- 5 15. The process according to claim 13 or 14, wherein the frame profile comprises at least one opening (14) per depression (12).

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- 16. The process according to claim 15, wherein the opening is formed by drilling, milling or sawing.
- 17. The process according to claim 15 or 16, wherein an essentially tubular insert is introduced into the opening in order to close the frame profile towards the interior.